



Automated Guided Vehicle System Pedestrian Pallet Truck **ERC 213a**

Lift height: 3100-4400 mm / Capacity: 1300 kg



The versatile AGV-S for the efficient transport of goods.

For standardised load aids and accessible stations.

Our reliable and versatile ERCa is an Automated Guided Vehicle (AGV) intended for use with recurring transport tasks. Thanks to its compact design, the ERCa is the perfect choice to boost the efficiency of your transport processes in narrow spaces. A 2.8 kW 3-phase AC motor ensures constant power, while the automatically controlled high-performance lift motor ensures gentle, quiet lifting and lowering – even at high lift heights. At the same time, safety is enhanced by the sturdy construction with 8-mm steel frame and enclosed structure. Warehouse safety is also guaranteed by sophisticated safety systems such as the standard personal protection system which scans the ground in the drive direction for obstacles. The AGV moves aided by laser navigation with reflectors installed in the ground or using natural landmarks. The stacker truck is based on our tested standard truck and can be easily integrated into existing IT structures or used as a stand-alone system.



5 years carefree. Guaranteed.

Extremely fast charging times and zero maintenance make li-ion batteries by far the most enduring energy source. With our 5-year guarantee on li-ion batteries, we give you a long-term performance promise, regardless of operating hours.



100% satisfaction. Guaranteed.

We are convinced this decision is right for you. That's why we guarantee that you can easily and quickly switch back to the original technology at any time within the first 6 months of delivery – without stating reasons.

All the advantages at a glance

- Compact design for narrow aisle widths.
- Efficient, process-reliable completion of routine tasks.
- Optimised transport routes thanks to precise laser navigation.
- Extensive safety systems for use in mixed operations.
- Short payback period thanks to process optimisation.

Your Jungheinrich AGV-S for maximum customer benefit.



Efficiency

Maximum performance with the most efficient automation solution.

Rely on an overall concept where intelligent software provides continuously high performance and maximum process reliability.

Established standard truck used as basis.

- The basic ERC electric pedestrian pallet truck in combination with comprehensive safety technology as well as automation and navigation components.
- Future-proof investment through design of safety equipment in accordance with current standards.
- Simple manual operation in mixed mode is performed via the standard controls of the production truck.

Efficient drive technology and equipment.

- 2.8 kW 3-phase AC drive motor. Optional 3.2 kW with the drivePLUS option.
- Automatically controlled high-performance lift motor giving energy-efficient lifting and lowering.
- Sturdy design with steel frame and enclosed frame contours.

Lithium-ion technology.

- High degree of availability thanks to extremely short charging times.
- No battery exchange required.
- Optionally available with automatic charging.
- Saving costs due to longer service life and zero maintenance as compared to lead-acid batteries.
- No charging rooms and ventilation required as there is no build up of gas.



Safety

Best prepared for safe warehouse operations.

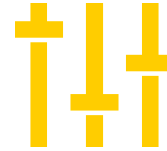
Safety components installed in the truck ensure that you can use the ERCa in mixed operations with manual trucks and with pedestrians.

Safety system installed in the truck.

- Standard personal protection scanner in the drive direction and load direction scans the travel route in front of the AGV for obstacles depending on the speed.
- Should an obstacle be located in the path of the truck, the AGV will reliably come to a halt in front of it.
- The sensor also scans ahead for obstacles when cornering.
- Emergency disconnect on the truck.

Process reliability in the warehouse.

- Everything at a glance – with the AGV-S control panel.
- The graphic display on the AGV control panel displays all the information relating to the AGV in use.
- Quick overview of the status of pending transport tasks.
- Prioritised orders can be entered and processed in the corresponding order.
- Depending on the project-specific requirements, individual customer functions can be specially implemented and activated for the respective system.



Individuality

An automated solution as individual as your business.

Our automated guided vehicle systems adapt individually to your IT and network landscapes.

Simple system integration.

- Integration into existing IT and network landscapes possible.
- Effortless connection to existing WMS/ERP system via Jungheinrich Logistics Interface.
- For communication, the existing WLAN structure can be used.

Precise navigation.

- Millimetre-accurate positioning of trucks and loads at the defined stations.
- Different navigation types can be used as hybrid navigation.
- Project- and environment-specific design and implementation.

Optional system enhancements.

- Charging contact plates on the AGV for automatic battery charging.
- Floor spot.
- Barcode scanner.
- Obstacle detection scanner.

Overview

The suitable solution for your applications:

Name	ERC 213a
Capacity/load	1.300 kg
Lift height (max.)	4.400 mm
Retracted mast height (h1)	2.150 mm
Overall length	2.389 mm
Overall width	965 mm
Service weight (incl. battery)	1.410 kg
Travel speed	7 km/h
Travel speed laden	7 km/h
Voltage	24 V

The German production facilities in
Norderstedt, Moosburg and Landsberg
are certified.

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet
European safety requirements.



 **JUNGHEINRICH**